1. ROARK

#9

1644

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/484,577

DATE: 12/05/2000
TIME: 17:29:41

Input Set : A:\Sequence Listing for 07419-029001.txt
Output Set: N:\CRF3\12052000\I484577.raw

<110> APPLICANT: Gordon, Lynn K.
Goodglick, Lee
Goldman, Melissa

<120> TITLE OF INVENTION: NOVEL GENES AND POLYPEPTIDES FOR THE DIAGNOSIS OF GIANT CELL ARTERITIS

<130> FILE REFERENCE: 07419-029001

<140> CURRENT APPLICATION NUMBER: 09/484,577

<141> CURRENT FILING DATE: 2000-01-18

<160> NUMBER OF SEQ ID NOS: 16

<170> SOFTWARE: FastSEQ for Windows Version 4.0

<210> SEQ ID NO: 1

<211> LENGTH: 682

<212> TYPE: DNA

<213> ORGANISM: HOMOSAPIEN

<400> SEQUENCE: 1

gatccccgct ttcgcgggga tgacagcggt actcaattca cgcgcagcga tgccagcgaa 60
ctaaacggag gatctcacga acatccgctc caaccccgac accacgctcc ccgccgtcac 120
gacaggctcg ctgccctcct cgcgcaagtt ctttgcaatc cctgaggccg cgcccgacat 180
ctatgacacc tcgggccccc acaccgatcc ggccgtgacg atcgacgtca acagcggcct 240
gccgcgcaat cgcctcgcct gggtcaagga acgcggcggc gtcgaggaat atcaggccgc 300
accatcaagc cggaggacaa cggcaatgtc ggcgcatccc acgccgccaa ggcgttcacc 360
ggcaccacaa gccgctgcgc ggctcgacgg cacaagatca cccactcgag ttcgccgcgc 420
cggcattata ccaaggagat gatctacgtc gccgagcgtg agaatcttgg cgcaagcagc 480
agctgagcgc gccgaggccg gctgccgacg gaagagtttt ggcgccgcgg tgccggctta 540
ttacgccgga atttgtcgca agagatcgcg cggcggccat tatttccttt aaaattaaca 600
ttgccgagct tgaaccgatg aa 660
682

<210> SEQ ID NO: 2

<211> LENGTH: 92

<212> TYPE: PRT

<213> ORGANISM: HOMOSAPIEN

<400> SEQUENCE: 2

Leu Pro Ala Val Thr Thr Gly Ser Leu Pro Ser Ser Arg Lys Phe Phe
1 5 10 15
Ala Ile Pro Glu Ala Ala Pro Asp Ile Arg Val Pro Leu Arg Glu Ile
20 25 30
Ile Leu Ser Glu Gly Ala Gly Glu Pro Asn Leu Pro Val Tyr Asp Thr
35 40 45
Ser Gly Pro Tyr Thr Asp Pro Ala Val Thr Ile Asp Val Asn Ser Gly
50 55 60
Leu Pro Arg Asn Arg Leu Ala Trp Val Lys Glu Arg Gly Gly Val Glu
65 70 75 80
Glu Tyr Gln Ala Ala Pro Ser Ser Arg Arg Thr Thr
85 90

<210> SEQ ID NO: 3

<211> LENGTH: 501

<212> TYPE: DNA

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Input Set : A:\Sequence Listing for 07419-029001.txt
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62 <213> ORGANISM: HOMOSAPIEN
64 <400> SEQUENCE: 3
65 actctccagc ctctcaccga ggatgaagtc ggctcgtgaa gtggttgcgg tcgggggcaa 60
66 aaccccgggac gagctggcct tcctgccggc cgccctcgaa attgtcgaga cgccgccatc 120
67 tcccaccgcg agactcacgg ccgccttgct tgctgccttg ttctactgcg ccgtggcgtg 180
68 ggcgggtctc ggcaggatcg acatcgttgc ttctgcatcc agaaagatcg tgccgggcga 240
69 ccgtgtaaag ctggttcagc cgctcgaggt cggcgtggtg cgggccactc atgtccgcga 300
70 tggccaaacc gtcaaggccg gcgagattct gatcgagctg gatccattcg cgggtggtgt 360
71 ggatgttgcg ccccgtcaga ggtccatcac ggtgtcggcg ccccacggat cgccacacca 420
72 tcttgtcgac ctttcttcac cgacgagtca ccgccgagtt gccgatattg cgtgatctta 480
73 tcagaatgcg gcgatgatca t 501
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 124
77 <212> TYPE: PRT
78 <213> ORGANISM: HOMOSAPIEN
80 <400> SEQUENCE: 4
81 Leu Ser Ser Leu Ser Pro Arg Met Lys Ser Ala Arg Glu Val Val Ala
82 1 5 10 15
83 Val Gly Gly Lys Thr Arg Asp Glu Leu Ala Phe Leu Pro Ala Ala Leu
84 20 25 30
85 Glu Ile Val Glu Thr Pro Pro Ser Pro Thr Ala Arg Leu Thr Ala Ala
86 35 40 45
87 Leu Leu Ala Ala Leu Phe Tyr Cys Ala Val Ala Trp Ala Gly Leu Gly
88 50 55 60
89 Arg Ile Asp Ile Val Ala Ser Ala Ser Arg Lys Ile Val Pro Gly Asp
90 65 70 75 80
91 Arg Val Lys Leu Val Gln Pro Leu Glu Val Gly Val Val Arg Ala Thr
92 85 90 95
93 His Val Arg Asp Gly Gln Thr Val Lys Ala Gly Glu Ile Leu Ile Glu
94 100 105 110
95 Leu Asp Pro Phe Ala Gly Gly Val Asp Val Ala Thr
96 115 120
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 747
100 <212> TYPE: DNA
101 <213> ORGANISM: HOMOSAPIEN
103 <400> SEQUENCE: 5
104 accgacgtcg actatccatg aacggatccc tgcaacgaca tcgtgcgtac ggcctatgaa 60
105 gcgctcgccg ccgtgctcgg tggcacgcag tcgctccaca ccaactcgtt cgacgaggcg 120
106 atcgcgctgc cgattgactt ctccgccccgg atcgcccgca acaccagctg atccagcagc 180
107 acgagacaga cgtcacggac gcggtcgaca ctctggcggg gtcctactac gtggagcgcc 240
108 tgacggatga cctcgccaag cgggcctggg agctgatgga agaggtcgag aagatgggtg 300
109 gcatggcgca ggcgatcgcg accggttggc cgaagcgcct gatcgagcaa tctgcgacgc 360
110 aaaagcaggc cgcgatcgat cgcggcgatc aggtgatcgt gggcgtgaac cgctaccggc 420
111 ccgaacagga gcaaccgatc gacattattg agatcgacaa ctcgacggtt cgggcctccc 480
112 agatccggtg tctcgccgaa atcgaaaagg cgcgtgattc aaggaaggtt gagtccgcgc 540
113 tcggggagct ggcgtgtatt gcccgcacgg gtgagggaaa tctgctggct gcagcgaccg 600
114 agcccgctcg cgcgcgggct accgtcgggg agatgtccga cgccatgcgg caagcattcg 660
115 gcgaccacga ggcggtgccg gaggtagtgt cggacgttta cggccgtgcc tatggcacgg 720

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Input Set : A:\Sequence Listing for 07419-029001.txt
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```
116 atccgttcat ggatagtcga cgtcggt
118 <210> SEQ ID NO: 6                                                    747
119 <211> LENGTH: 48
120 <212> TYPE: PRT
121 <213> ORGANISM: HOMOSAPIEN
123 <400> SEQUENCE: 6
124 Asp Pro Cys Asn Asp Ile Val Arg Thr Ala Tyr Glu Ala Leu Ala Ala
125  1               5                  10                  15
126 Val Leu Gly Gly Thr Gln Ser Leu His Thr Asn Ser Phe Asp Glu Ala
127             20                  25                  30
128 Ile Ala Leu Pro Ile Asp Phe Ser Ala Arg Ile Ala Arg Asn Thr Ser
129         35                  40                  45
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 301
133 <212> TYPE: DNA
134 <213> ORGANISM: HOMOSAPIEN
136 <400> SEQUENCE: 7
137 actctccagc ctctcaccga ggatcatcga cgacattaag cagctggccg acaacggcgt      60
138 gcgcgaattc acgctgatcg gacagaatgt caacgcctac cacggcggag ggcccgacgg     120
139 ccgcgtctgg ccgctcggca aattgctgca gcgactcgcg gacattccaq gcgtcatgcg     180
140 gctgcgttat tcgatcagcc atccgcgcga cgtcgacgac agcctgatcg ccgcgcatcg     240
141 cgatttgccc ggactgatgc cgttcgtgca cctgccggtg caatcggggg cggaccggat     300
142 c                                                                    301
144 <210> SEQ ID NO: 8
145 <211> LENGTH: 91
146 <212> TYPE: PRT
147 <213> ORGANISM: HOMOSAPIEN
149 <400> SEQUENCE: 8
150 Ile Ile Asp Asp Ile Lys Gln Leu Ala Asp Asn Gly Val Arg Glu Phe
151  1               5                  10                  15
152 Thr Leu Ile Gly Gln Asn Val Asn Ala Tyr His Gly Gly Gly Pro Asp
153             20                  25                  30
154 Gly Arg Val Trp Pro Leu Gly Lys Leu Leu Gln Arg Leu Ala Asp Ile
155         35                  40                  45
156 Pro Gly Val Met Arg Leu Arg Tyr Ser Ile Ser His Pro Arg Asp Val
157     50                  55                  60
158 Asp Asp Ser Leu Ile Ala Ala His Arg Asp Leu Pro Gly Leu Met Pro
159 65                  70                  75                  80
160 Phe Val His Leu Pro Val Gln Ser Gly Ala Asp
161                 85                  90
163 <210> SEQ ID NO: 9
164 <211> LENGTH: 620
165 <212> TYPE: DNA
166 <213> ORGANISM: HOMOSAPIEN
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (1)...(620)
171 <223> OTHER INFORMATION: n = A,T,C or G
173 <400> SEQUENCE: 9
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RAW SEQUENCE LISTING
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DATE: 12/05/2000
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Input Set : A:\Sequence Listing for 07419-029001.txt
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```
W--> 174 actctccanc ctctcaccga ggatcagaat aggtgaagag cgaagacacc gagaacgtct     60
     175 ggccttgaac ggacagcgtg cttgagttgg tcggggtcac caccggaccc gtgtccaccg    120
W--> 176 gcgcagtcac ngtgaaagca cttgaccatg atcccagacg gtgccgtcat ccgcgcggac    180
W--> 177 ccacancgtn tccgcgcccg accggattga tagctcagcg acaccagctg ggctgccgtg    240
W--> 178 acgtanttgt gctggttngg tgcaagtgcc accccgctca agacaaantg gccgcacctg    300
W--> 179 tgcccgtgtc ccaaacgtca tattgggtcg cagcactgtc gaacggatca ctgtangtgc    360
W--> 180 acagcgacna anccgcatan ctctngccgt ggggcgcaac gatgttnnac accgtctcaa    420
W--> 182 gcccgcattt gcgccgattc ctttcattga tatgtccacg tcggtnggnc tttaagcngg    540
W--> 183 cggcaaccgc ggtgnagctn cacttttgt tccttttatt ganggttaat ttgcgcgctt     600
W--> 184 tggncgtaan tntttngaan                                              620
     186 <210> SEQ ID NO: 10
     187 <211> LENGTH: 662
     188 <212> TYPE: DNA
     189 <213> ORGANISM: HOMOSAPIEN
     191 <220> FEATURE:
     192 <221> NAME/KEY: misc_feature
     193 <222> LOCATION: (1)...(662)
     194 <223> OTHER INFORMATION: n = A,T,C or G
     196 <400> SEQUENCE: 10
     197 gatccgacca gcaatcaggc ggagctgcag cacctgaaaa acgaccttct ctcggcactg     60
     198 ctgggtattt cacgcaaccg ctctgcgctt ggcgggaaac accgacgcgc ttgaaggctt    120
     199 accggacgac acgccgccag ccttgattcg aatgcatctg gagtacttgc gcagtcagga    180
     200 ttccgagcag cgcgccaagc tgtccgaact ggatcagcaa cgggtgcaga aggtcgcgga    240
W--> 201 gaccaggacg atcgacgcca gcatcgcgaa gattgaagct ttgctgcggt gctgcaggan    300
     202 cgggtcgggg ttcgcaagta cctggcggac agggagtacg gctcaaagct gcaatattcg    360
     203 caggaactcc aggaactggt cgggatgcag caggacatcc tggtgcaacg gagcaaaggt    420
W--> 204 cgaggaaacc aatgcggntt gtcgccgcac ttcgacgaaa acccgcggna agcttcgtct    480
W--> 205 nngaataacc ggcacccgnc tgttccnacg atcttggccc aaggggacgc aaaaaagggc    540
W--> 206 cggcaagncc tcaaaggacc aagggngttt taaaanccga gcacccggga cccaaccttt    600
W--> 207 aaaaancntt ggcggccccc attcgacggn gtgggnggcaa caaattgggc cgngccccat    660
     208 tt                                                                 662
     210 <210> SEQ ID NO: 11
     211 <211> LENGTH: 242
     212 <212> TYPE: DNA
     213 <213> ORGANISM: HOMOSAPIEN
     215 <220> FEATURE:
     216 <221> NAME/KEY: misc_feature
     217 <222> LOCATION: (1)...(242)
     218 <223> OTHER INFORMATION: n = A,T,C or G
     220 <400> SEQUENCE: 11
W--> 221 actctcnngc ctctcaccga agatagccgg caaggactgg cgngaacann gcgcgctgga     60
W--> 222 ctatcnctaa agggtctccn acnacgtcca nccggacnag ctgacctcgt ttccncnaag    120
W--> 223 cgtgaaactg aaggccggtg aaaccntcnt gttcgcctng atcacctact agtcgcgcgc    180
     225 tc                                                                 240
     227 <210> SEQ ID NO: 12                                                242
     228 <211> LENGTH: 552
     229 <212> TYPE: DNA
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/484,577 DATE: 12/05/2000
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Input Set : A:\Sequence Listing for 07419-029001.txt
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230 <213> ORGANISM: HOMOSAPIEN
232 <400> SEQUENCE: 12
233 gatccgctcg atgcccaggc ccagtacagc gaactgttcg cccatggccg cgccacgtca 60
234 ctgttgctat tcgaacatgt tcacggtgaa tcccgtgacc gcggccaggc gatggtggac 120
235 ctgctggcgc agtacgagca gcacggtttg cagttaaaca gccgcgaatt accggaccac 180
236 ctgccgctgt atctggagta cctgtcgcag ctgccgcaag gcgaagccgt ggaaggtttg 240
237 aaagatatcg cgccgattct ggcattgctg agcgcgcgtc tgcaacagcg tgaaagccgt 300
238 tatgccgtga tgtttgatct gctgctgaaa ttggccgata ccgctatcga cagcgacaaa 360
239 gtggcggaaa aaattgccga cgaagcgcgc gatgatacgc cgcaggcgct ggatgctgtt 420
240 tgggaagaag agcaggttaa attctttgct gacaaaggct gcggcgattc agcaatcact 480
241 gctcatcagc gtcgctttgc cggtgccgtc gcgccgcaat atctgaatat cctcggtgag 540
242 aggctggaga gt 552
244 <210> SEQ ID NO: 13
245 <211> LENGTH: 265
246 <212> TYPE: DNA
247 <213> ORGANISM: HOMOSAPIEN
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (1)...(265)
252 <223> OTHER INFORMATION: n = A,T,C or G
254 <400> SEQUENCE: 13
W--> 255 gatcctnaca cantagcccg tggacgcatt tgcgtcgacc ctcatangga agcgatacga 60
W--> 256 ggcgggtnaa agtgaacatc cgccgagcac ggcagcgacg cctccgctca ccgtcngcgc 120
W--> 257 agtacttcct cgggtcgccg cgcctagcac tctgcgccgt gacatcaanc cgtgaaccca 180
W--> 258 cgggagactt tgcgccgcna agggatgagt ccactattag atgacgcatg gctacgagcc 240
W--> 259 natcctcggt ganaagctgg agagt 265
261 <210> SEQ ID NO: 14
262 <211> LENGTH: 317
263 <212> TYPE: DNA
264 <213> ORGANISM: HOMOSAPIEN
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (1)...(317)
269 <223> OTHER INFORMATION: n = A,T,C or G
271 <400> SEQUENCE: 14
W--> 272 gatccggccn cgcacganct taccggtnaa aacttccncn ccnataatat ttgccgcgcg 60
W--> 273 agccgccctg angctctcgg cgtaactccg gatgcacggg ggaccgtgac ggttgtantg 120
W--> 274 ccctggcttt tctcagcnga aatctgcaca gccatcttcc gatcgatctg gcgcaggtgg 180
W--> 275 ggcggcncaa aacggtgggc atctccaaac cgcaggaacg tgttttgcag gatgtcgaac 240
W--> 276 atcatccacg cttcggtncc caacggctac ttcgcccggt accgggccat gtcatcctcg 300
W--> 277 gtganaagct gganant 317
279 <210> SEQ ID NO: 15
280 <211> LENGTH: 341
281 <212> TYPE: DNA
282 <213> ORGANISM: HOMOSAPIEN
284 <220> FEATURE:
285 <221> NAME/KEY: misc_feature
286 <222> LOCATION: (1)...(341)
287 <223> OTHER INFORMATION: n = A,T,C or G

F.Y.I.

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/484,577

DATE: 12/05/2000
TIME: 17:29:42

Input Set : A:\Sequence Listing for 07419-029001.txt
Output Set: N:\CRF3\12052000\I484577.raw

L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16